AL624
Linear Power Supply/Charger

Rev. DSAL624_12292011

AL624

Overview

This Altronix power supply/charger converts a low voltage AC input into 6VDC, 12VDC or 24VDC output (see specifications). This general purpose power supply has a wide range of applications for access control, security and CCTV system accessories that require additional power.

Specifications

Input:
- 16VAC to 24VAC, 20VA to 40VA.

Output:
- Switch selectable 6VDC-12VDC-24VDC.
- 6VDC or 12VDC @ 1.2 amp supply current or 24VDC @ 0.75 amp supply current.
- Filtered and electronically regulated output.
- Short circuit and thermal overload protection.

Battery Backup:
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails.
- Maximum charge current 0.3 amp.
- PTC battery protection.

Visual Indicators:
- AC input and DC output LED indicators.

Electrical:
- Operating temperature: –20º C to 49º C ambient.
- BTU/Hr.:
  - 6VDC: 3 BTU/Hr.
  - 12VDC: 5 BTU/Hr.
  - 24VDC: 7 BTU/Hr.
- System AC input VA requirement:
  - 16.5VAC/20VA: 138. 16.5VAC/40VA: 276.
  - 24VAC/20VA: 92. 24VAC/40VA: 192.05.

Mechanical:
- Board Dimensions (L x W x H approx.): 3” (76.2mm) x 2.5” (63.5mm) x 1.125” (28.58mm)
- Product weight (approx.): 0.98 lbs. (0.44 kg.).
- Shipping weight (approx.): 1.2 lbs. (0.54 kg.).

Board Dimensions *(L x W x H) (approximate)*:

3” (76.2mm) x 2.5” (63.5mm) x 1.125” (28.58mm)